



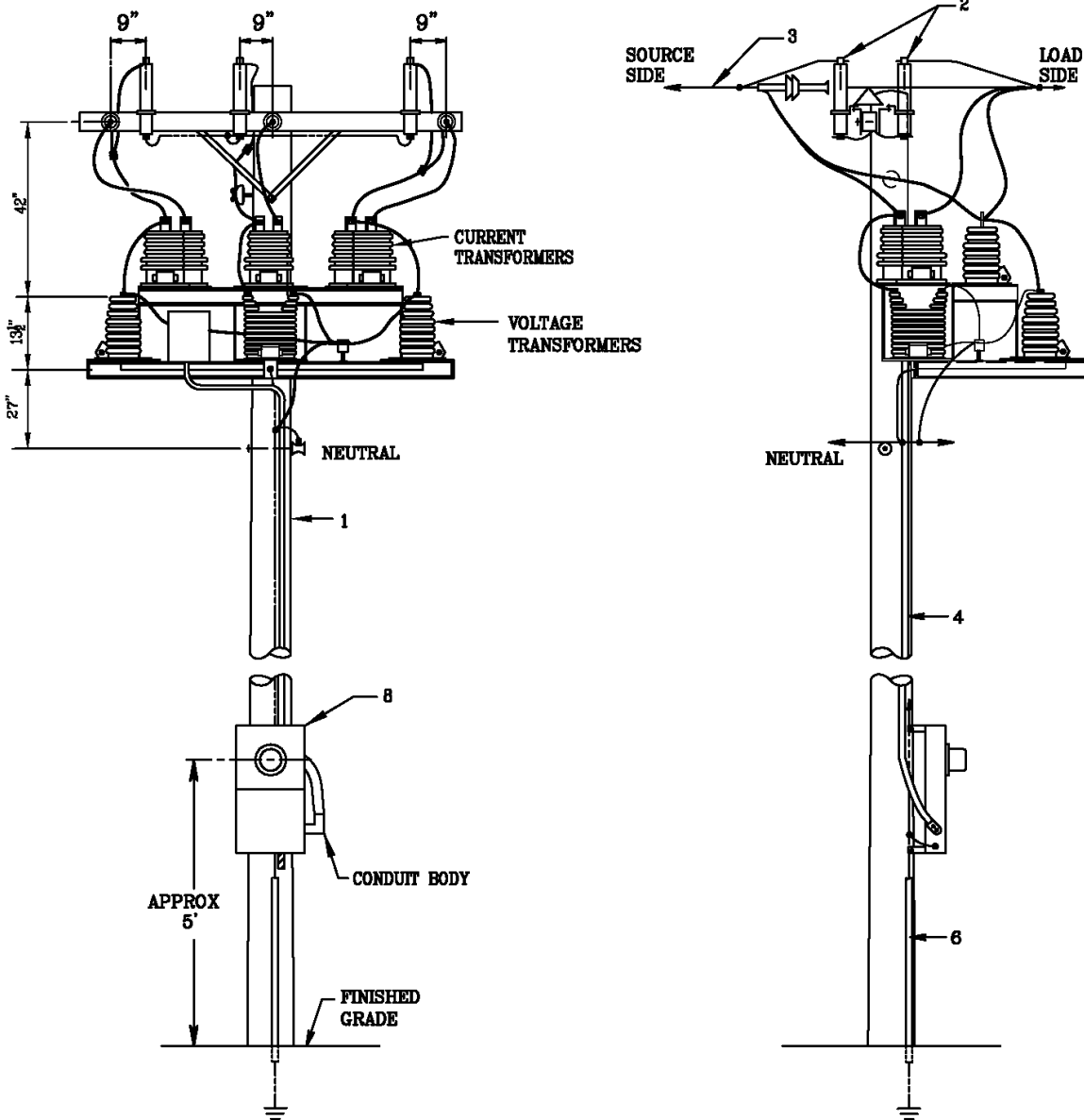
REMSI Sketches 26-50  
 Sketch #33  
 6-51

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 Custom ID: DCS 6-51  
 Revision: 01  
 Effective Date: 09/19/2016  
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**Sketch #33 High voltage service, typical arrangement of three phase outdoor metering equipment on customer-owned meter pole, overhead line to overhead distribution, 15kv or less**

NOT TO SCALE

<b>VOLTAGE:</b> 3 Phase, 4 Wire WYE 7,200/12,470V	<b>SERVICE TYPE:</b> Overhead
<b>CUSTOMER LOAD:</b> 4 MVA Maximum	<b>METER BASE LOCATION:</b> Outdoor



\*REFERENCE CRS 6-09-196, SKETCH #30, SKETCH #47

**RULES FOR ELECTRIC METER AND SERVICE INSTALLATIONS**  
**PPL ELECTRIC UTILITIES CORPORATION**

**Rules:** 7, 8, 18

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**Date:** 4/11/16 **Engr:** NAP



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**Sketch #33 High voltage service, typical arrangement of three phase outdoor metering equipment on customer-owned meter pole, overhead line to overhead distribution, 15kv or less (cont.)**

CUSTOMER FURNISHES, INSTALLS, MAINTAINS:

1. WOOD POLE (CLASS 4 MIN., SEE SKETCH #47), INSULATORS, INCIDENTAL WIRING AND GROUNDING SYSTEM.
2. SOURCE AND LOAD SIDE LIGHTNING ARRESTERS.
3. OVERHEAD LINE FROM DISCONNECT ON CUSTOMER - OWNED SERVICE POLE, SEE SKETCH #30. MAXIMUM ALLOWED TENSION PER CONDUCTOR - 2000 LBS.
4. 1-1/4 INCH MINIMUM, THREADED, GALVANIZED, RIGID OR INTERMEDIATE STEEL OR SCHEDULE 40 PVC CONDUIT AND FITTINGS BETWEEN JUNCTION BOX AND METER BASE.
5. 1 INCH FLEXIBLE METAL REINFORCED WEATHER TIGHT CONDUIT AND FITTINGS BETWEEN TRANSFORMERS AND 8 INCH BY 8 INCH BY 4 INCH WEATHER TIGHT JUNCTION BOX.
6. SERVICE GROUND - SIZED AND PROTECTED PER NEC ARTICLE 250 - GROUNDING

PPL EU FURNISHES, MAINTAINS; CUSTOMER INSTALLS:

7. INSTRUMENT TRANSFORMERS AND MOUNTING STEEL.
8. METER BASE

PPL EU FURNISHES, INSTALLS, MAINTAINS:

9. WIRING BETWEEN INSTRUMENT TRANSFORMERS AND METER BASE.

NOTES:

1. POINT OF CONTACT (POC) IS CONTAINED IN THE PPL EU DOCUMENT "POINT OF CONTACT REQUIREMENTS FOR HIGH VOLTAGE CUSTOMER-OWNED FACILITIES 12KV SUPPLY."

\*REFERENCE CRS 6-09-196, SKETCH #30, SKETCH #47

RULES FOR ELECTRIC METER AND SERVICE INSTALLATIONS  <b>PPL ELECTRIC UTILITIES CORPORATION</b>	<b>Rules:</b> 7, 8, 18 <small>REMSI_S033P2_R1.dwg</small>
	<b>Date:</b> <u>4/11/16</u> <b>Engr:</b> <u>NAP</u>